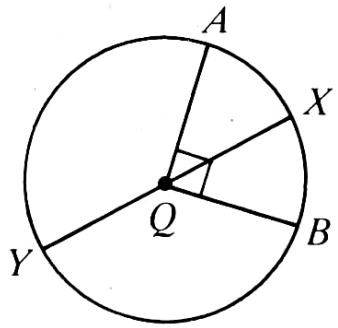
Name: _____ Date: _____ Row: _____ Period: _____

# NOTES SECTION 9.3: ARCS AND CENTRAL ANGLES




**CENTRAL ANGLE**

**ARC**

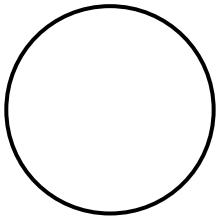
| MINOR ARC | MAJOR ARC | SEMICIRCLE |
|---|---|---|
| | | |

**MEASURE OF AN ARC**

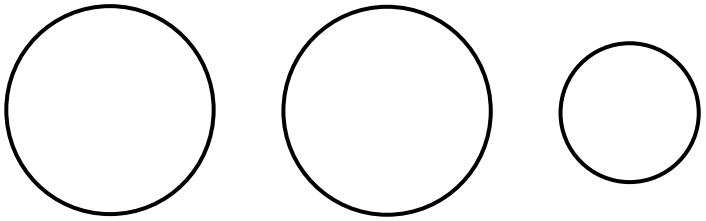
| MINOR ARC | MAJOR ARC |
|---|---|
| | |

**ADJACENT ARCS**

## ARC ADDITION POSTULATE



## CONGRUENT ARCS



## THEOREM

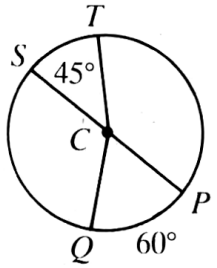
**In $\odot C$, find the measure of each arc or angle named.**

**5.** $\angle PCQ$ **6.** $\overset{\frown}{ST}$ **7.** $\overset{\frown}{SQP}$

**8.** $\overset{\frown}{SQ}$ **9.** $\angle SCQ$ **10.** $\angle SCP$

**11.** $\overset{\frown}{SPQ}$ **12.** $\overset{\frown}{PT}$ **13.** $\angle TCP$

**14.** $\overset{\frown}{SPT}$ **15.** $\overset{\frown}{TSQ}$




**The figure shows two concentric circles with center $N$. Classify each statement as true or false.**

**20.** $m\overset{\frown}{BC} = 45$ **21.** $\overset{\frown}{AB} \cong \overset{\frown}{VW}$

**22.** $m\angle DNC = 90$ **23.** $m\overset{\frown}{XY} = 45$

**24.** $\overset{\frown}{VW} \cong \overset{\frown}{WX}$ **25.** $\overset{\frown}{AED} \cong \overset{\frown}{VZY}$